

**Abstract of the disclosure.**

In a system for monitoring remote computing stations, each remote station includes an array of detectors and a controller configured to receive the detector signals. The controller causes a condition information generator to generate condition records including multiple condition information entries, each entry corresponding to one of the detector outputs. A monitoring station is adapted to send cues to the remote stations, and each station responds to a cue by presenting its condition record as a web page for retrieval by the monitoring station. The monitoring station sends the cues to stations in a sequence controlled by a user of the monitoring station, or alternatively, in a rapid and repeated sequence according to a station selection program written in Java or another universal language. The program generates interlocked instruction sets designed to recognize, as an error, a failure to connect with a remote station. The system incorporates a comparator function for matching each condition information entry with an acceptance standard, and generating a fault indication if the entry fails to satisfy the standard.

854587.1